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## **Continuum limit of fishnet graphs and AdS sigma model**

*Monday 20 August 2018 11:00 (45 minutes)*

I will discuss the thermodynamical limit of planar diagrams in the 4d fishnet theory, an integrable matrix scalar theory which stands as a close relative of the N=4 Super-Yang-Mills theory. Using integrable techniques developed for studying the scaling dimensions of single trace operators in N=4 SYM, I will argue that the continuum limit of the fishnet diagrams is governed by the 2d AdS5 non-linear sigma model.

### **Summary**

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